

SEQUENCE LISTING

<110> St. Jude Children's Research Hospital
Curran, Thomas
Keshvara, Lakhu

<120> Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1 Protein

<130> SJ-01-0032

<160> 3

<170> PatentIn version 3.1

<210> 1
<211> 6
<212> PRT
<213> Mus musculus

<220>
<221> SITE
<222> (3)...(3)
<223> Serine at residue #3 equates to Serine491 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 position and a Lysine (K) in the +3 position

<220>
<221> DOMAIN
<222> (1)...(6)
<223> smallest carboxy terminal Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<400> 1

Gln Ser Ser Pro Ser Lys
1 5

<210> 2
<211> 24
<212> PRT
<213> Mus musculus

<220>
<221> SITE
<222> (21)...(21)
<223> Serine at Reisdue 21 equates to Serine515 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 position and a Lysine (K) in the +3 position

<220>
<221> DOMAIN
<222> (1)...(24)
<223> Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<400> 2

Ser Ser Ala Ser His Val Ser Asp Pro Thr Ala Asp Asp Ile Phe Glu

1

5

10

15

Glu Gly Phe Glu Ser Pro Ser Lys
20

<210> 3
<211> 14
<212> PRT
<213> Mus musculus

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 p
osition and a Lysine (K) in the +3 position

<220>
<221> DOMAIN
<222> (1)..(14)
<223> Dab1 phosphopeptide domain used for antibody production

<400> 3

Thr Pro Ala Pro Arg Gln Ser Ser Pro Ser Lys Ser Ser Ala
1 5 10